

## SIGNAL COMPRESSION BASED ON CURVATURE PARAMETERS

### Abstract

- For a sampled signal, storing characteristic points generated based on
- 5 parameters corresponding to curvature of the signal. The characteristic points include a time of occurrence of a lobe in a curvature series based on the signal and a corresponding amplitude of the signal. The characteristic points provide a compressed version of the sampled signal. The signal is reconstructed by establishing a function between a chronological sequence of characteristic points.
- 10 For a repetitive signal, the stored data includes a code to indicate a time of reoccurrence of a previous cycle or data corresponding to differences between a previous cycle and a current cycle.

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